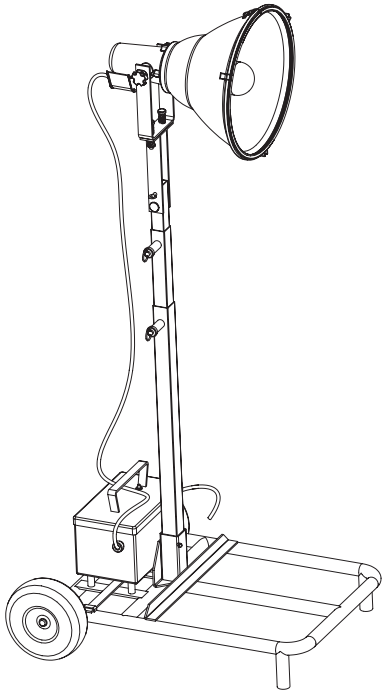
# FSTL1000

## *Endura Tower Light*
## *Operator's Manual*



**DO NOT** operate this equipment until you have read and understood all the enclosed Operator's Manual.

**READ ALL** the sections in this manual PRIOR to attempting to service, maintain or operate this equipment.

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## Endura Warranty Statement

Uniquip Canada Inc. guarantees all Uniquip Endura Tower Lights to be free from any manufacturer's defects in material and workmanship for a period of **one (1) year** from the date of purchase . This warranty is exclusive of any normal wear and tear and/or consumable parts, such as the lamp, fuse, and wheels. All normal wear and tear and/or consumable parts are protected from manufacturer's defects in material and workmanship for a period of **thirty (30) days** from the date of purchase.

| Endura Warranty Summary | Protection |
|---|---|
| 1. Uniquip Endura Tower Light Unit | 1 year parts and labour |
| 2. Uniquip Endura normal wear and tear parts or consumable parts | 30 days parts and labour |

To make a warranty claim within this time period, please contact the Service Manager at Uniquip Canada Inc., 1-800-332-4012, who will advise the validity and claim procedure. Once the claim has been accepted by Uniquip Canada, the unit and parts should be shipped to Uniquip Canada or the specified Authorized Service Centre at the customer's expense. Be sure to securely pack the unit and parts in a strong container. **Damage in transit is not covered by this warranty.** All approved repairs under this warranty will be returned by Uniquip Canada free of charge.

Warranties expressed in this document are void if repairs are attempted by anyone other than an Authorized Service Centre or Uniquip Canada or if the unit has been modified from original factory design in any way. This warranty is expressly conditional upon the customer's compliance with all precautions and instructions contained in this manual and excludes any claims made as a result of abuse, neglect, accident, normal wear and tear and misuse. **This warranty is non-transferable.**

Uniquip Canada Inc.'s liability under warranty is limited to repair of the product and/or replacement of parts and is given to the purchaser in lieu of all other remedies including incidental and consequential charges. There are no expressed warranties other than those specified herein.



## Endura Warranty Registration

Congratulations for choosing an Endura product to meet all your tough jobsite needs! Please file your original bill of purchase for this unit in a safe place. For warranty service of your Endura product, you will need to provide a copy of this document to confirm your warranty status.

Product registration is a key step toward enjoying your new Endura product! While registration is not necessary to enjoy our manufacturer's warranty, there are many benefits to participating in this program. Registration helps to facilitate warranty service, and notify you of any updates, changes, and service advisories on your product. Complete this Warranty Registration Card and fax it to 1-866-825-2221 or mail it to the address on the back of this card:

### Warranty Registration Information

| ***A. Ownership Information*** | |
|---|---|
| Owner's Name: | |
| Company Name: | |
| Company Address: | |
| | |
| | |
| Company Telephone: | |
| Company Fax: | |
| Company E-Mail: | |
| Company Website: | |
| ***B. Machine Information*** | |
| Machine Make: | |
| Machine Model #: | |
| Machine Serial #: | |
| Date of Purchase: | |
| ***C. Product Information Update*** | |
| Can we contact you with any product-related news? | **___Yes ___No** |
| Who should we contact? | |
| Contact Telephone: | |
| Contact Fax: | |
| Contact E-Mail: | |
| What is the preferred contact method? | |

Place Stamp Here

Uniquip Canada Inc.
2437 Michelin
Laval QC
H7L 5B9

ATTN: SERVICE DEPARTMENT

# FSTL1000

## *Endura Tower Light Operator's Manual*


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**DO NOT** operate this equipment until you have read and understood all the enclosed Operator's Manual.

**READ ALL** the sections in this manual PRIOR to attempting to service, maintain or operate this equipment.

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## Pre-Operation Notes

Thank you for your purchase of the Uniquip Endura FSTL1000 Portable Tower Light. This tower light has been designed and manufactured to our highest quality demands for durability and performance.

Uniquip Canada Inc. is committed to offering durable products and quality after-market service. The FSTL1000 Portable Tower Light is warranted to be free from manufacturer's defects in material and workmanship for a period of **one (1) year** from the date of shipping as declared on the invoice from Uniquip Canada. This warranty will be void if the light tower has not been operated and maintained in the manner prescribed in this Operator's Manual.

In order for the tower light to perform at its optimum capabilities, the operator of the unit **must read** this manual **thoroughly before** using this unit. This Operator's Manual contains important product operation procedures, and safety precautions. **SAVE THIS MANUAL.** Please keep this manual nearby when operating the tower light as a reference should any questions arise.

This tower light is a high voltage electrical device. **DO NOT start this unit unless it is clear of water or water-filled areas. DO NOT use this tower light with non-grounded sockets. Use this light only with GFCI protected circuits. This product is designed for normal outdoor use.**

All jobsites are different. Please ensure that when installing this tower light in a jobsite, proper precautions have been taken to avoid any accidents, and to reduce the risk of fire, electric shock or personal injury.

Every care and effort has been made to ascertain the accuracy and completeness of procedures described in this document to ensure your enjoyment and satisfaction. If you have any questions or concerns, please contact the Service Department at Uniquip Canada at 1-800-332-4012.

**Technical Support Hotline**

| Ontario, Western Canada, and USA | Quebec and Eastern Canada |
|---|---|
| **T : 1-888-332-4012** | **T : 1-800-332-4012** |
| **F : 1-866-567-0956** | **F : 1-866-825-2221** |

email your technical questions and comments to:
**service@uniquip.ca**
visit our website:
**www.uniquip.ca**



## Safety Precautions

1. **READ AND UNDERSTAND OPERATOR'S MANUAL PRIOR TO USE OF TOWER LIGHT.**
2. **THE LIGHTED LAMP IS HOT. DO NOT TOUCH LIGHT FIXTURE, REFLECTOR OR LENS DURING USE. WAIT FOR AT LEAST 10 MINUTES AFTER SHUT-DOWN TO BE IN CONTACT WITH LAMP.**
3. Make certain that the power source conforms to the requirements of your equipment. **NEVER ALTER THE PLUG.**
4. **DO NOT** plug pump into any **NON-GROUNDED** electrical outlet.
5. **DO NOT** attempt to remove ground stem on plug.
6. **USE ONLY** on GFCI protected circuits.
7. **MAKE SURE OPERATOR, CABLE, PLUG AND SOCKET ARE ALL DRY AND CLEAN. LIQUIDS AND ELECTRICITY DO NOT MIX. CHEMICALS AND ELECTRICITY DO NOT MIX.**
8. **DO NOT** operate where water may accumulate around base.
9. **DO NOT** submerse any portion of the FSTL-1000MH Tower Light in liquid.
10. Keep light **AT LEAST 16' FT AWAY** from pools and spas.
11. Keep light away from any flammable materials.
12. **DO NOT** perform any repairs or maintenance procedures on tower light unless it has been disconnected from any power source.
13. Use only Endura brand-name parts.
14. **ALL** frayed and/or otherwise damaged cords and components **MUST** be replaced before further use.
15. When using in windy and or other difficult weather conditions, set tower light up such that the wind is at the back of the fixture and apply the brake. Support with sand bags if necessary.
16. If light is extended higher than 6' ft, **anchor base to ground**.
17. Always ensure that tires are filled up at proper tire pressure.
18. Always set brake on tower light for transport or when tower light will be left unattended.
19. Never use any light bulbs larger than what the fixture is rated for.
20. **NEVER LOOK DIRECTLY INTO LIGHTED LAMP.**
21. **NEVER OPERATE THE FIXTURE WITHOUT SAFETY LENS**. If safety lens is broken, replace lens prior to operating fixture.
22. Keep fixture away from children.
23. **DANGER: HIGH VOLTAGE!**
24. Provide adequate protection and guarding of all movable parts.

***SAVE THESE INSTRUCTIONS.***

## Guide to Machine Overview/Parts List

Regular maintenance and parts replacement are important steps to extending the life of your equipment and enjoying its optimum performance. When performing any maintenance or repair procedures, **always check with local authorities for by-laws and guidelines governing your jurisdiction.**

This guide aims to serve as a representational guide to the FSTL1000. **Any other uses or application beyond the scope of this document are strictly prohibited.** While every attempt has been made to maintain its accuracy, Uniquip Canada Inc. reserves the right to update and modify the equipment without prior notification. Prior to undertaking to perform any maintenance or repair procedures, please contact our Technical Support Hotline for clarification and to acquire appropriate parts.

To order spare parts, please provide the following information:

1. Machine Make
2. Model Number
3. Machine Serial Number
4. Quantity Required of Each Part
5. Part Numbers
6. Part Descriptions.

All Endura parts are guaranteed by a **thirty (30) day** warranty against any manufacturer's defects in workmanship and material. Consult page A in the Operator's Manual for further details on our Warranty Policy.

### Technical Support Hotline

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|---|---|
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| **F : 1-866-567-0956** | **F : 1-866-825-2221** |

email your technical questions and comments to:

**service@uniquip.ca**

visit our website:

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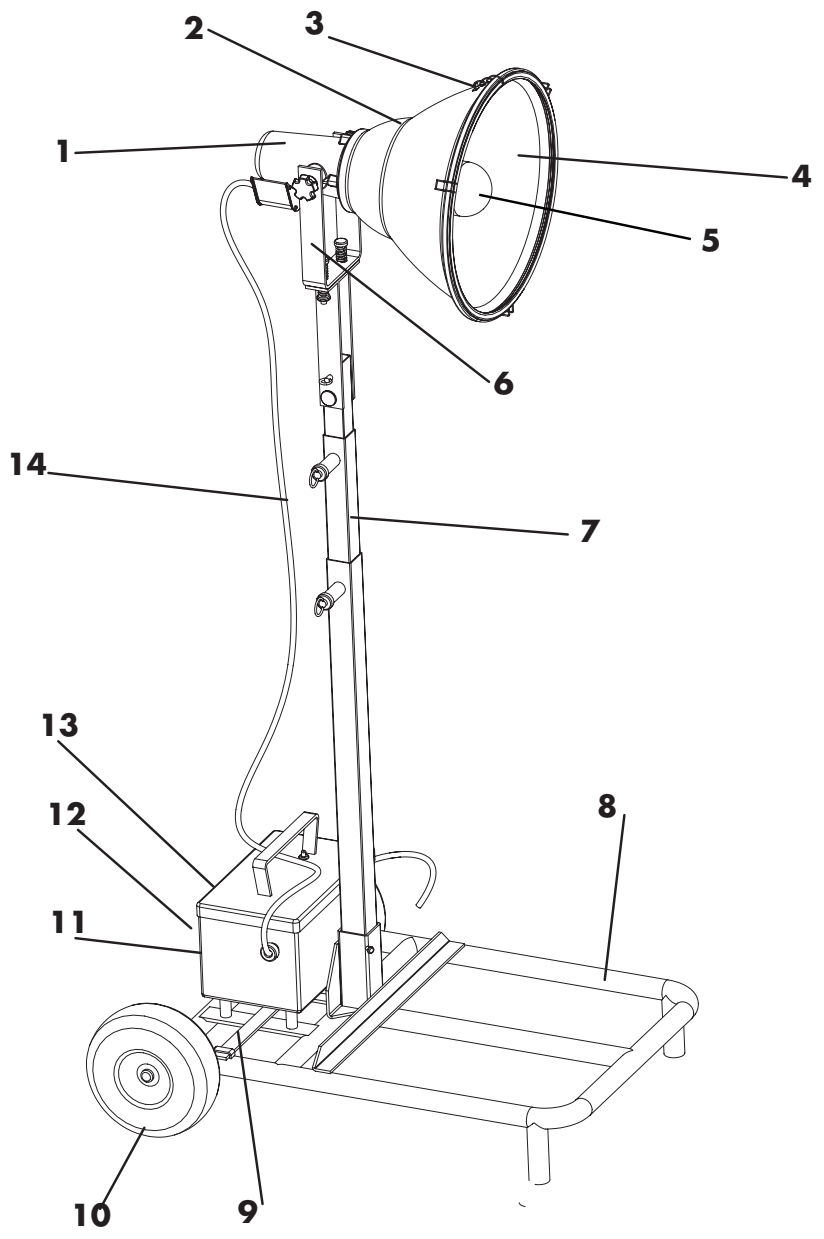
## Machine Overview



## Parts List

| Legend | Part Number | Description |
|---|---|---|
| 1 | FSTL1000-01 | Fixture |
| 2 | FSTL1000-02 | Reflector |
| 3 | FSTL1000-03 | Lens Clips |
| 4 | FSTL1000-LENS | Lens Kit |
| 5 | FSBD-BULB1000 | 1000 W Metal Halide Lamp |
| 6 | FSTL1000-06 | U-Bracket |
| 7 | FSTL1000-07 | Mast |
| 8 | FSTL1000-08 | Cart |
| 9 | FSTL1000-BRAKE | Brake Kit |
| 10 | FSTL1000-10 | Wheels |
| 11 | FSTL1000-11 | Ballast (Not shown. See "Key Components Overview" for details.) |
| 12 | FSTL1000-12 | Ballast Box |
| 13 | FSTL1000-13 | Ballast Lid |
| 14 | FSTL1000-14 | Cord |

Many of the parts making up each section of the FSTL1000 Tower Light have been packaged into kits for your convenience! Refer to the "Key Components Overview" section for further details.

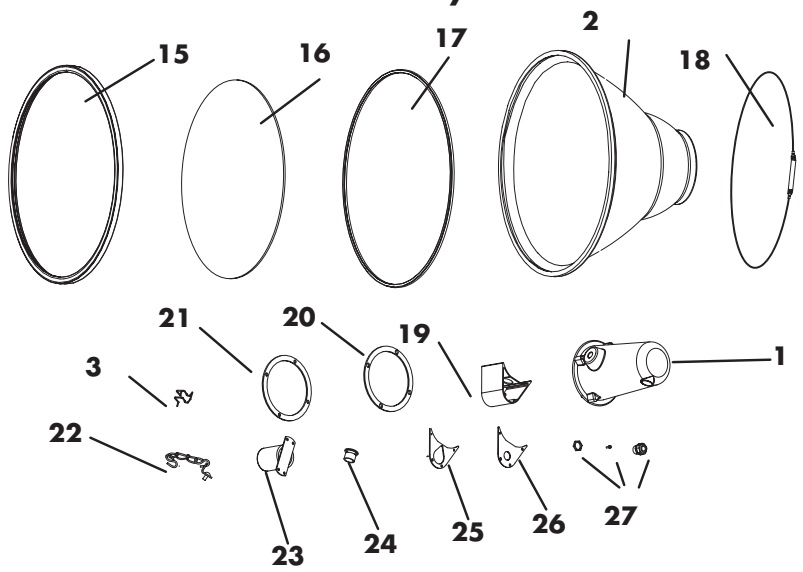
If you have any questions concerning the maintenance and operations of this unit, please do not hesitate to contact Uniquip Canada.

**DO NOT attempt servicing or performing any maintenance procedures outlined in this manual unless technician is qualified and clear on the task's requirements.**

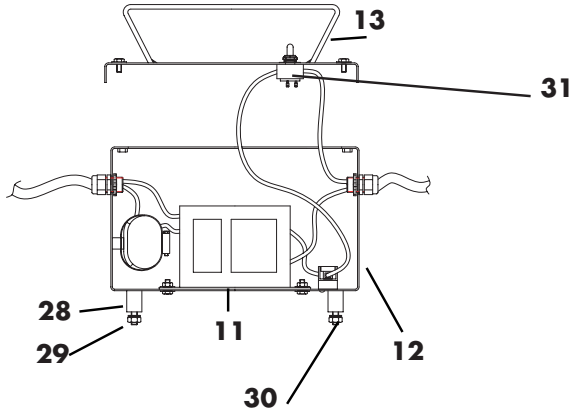


## Key Components Overview

### A. Reflector and Lens Assembly




### B. Ballast Assembly



## Key Components Overview cont'd

### A. Reflector and Lens Assembly

| Legend | Part Number | Description |
|---|---|---|
| 1 | FSTL1000-01 | Fixture |
| 2 | FSTL1000-02 | Reflector |
| 3 | FSTL1000-03** | Lens Clip (available separately) |
| 15 | FSTL1000-15** | Lens Frame |
| 16 | FSTL1000-16** | Lens |
| 17 | FSTL1000-17** | Silicone Rubber Seal |
| 18 | FSTL1000-18** | Security Cable |
| 19 | FSTL1000-19 | Components of Fixture FSTL1000-01 |
| 20 | FSTL1000-20 | |
| 21 | FSTL1000-21 | |
| 22 | FSTL1000-22 | |
| 23 | FSTL1000-23 | |
| 24 | FSTL1000-24 | |
| 25 | FSTL1000-25 | Silicone Rubber Ring |
| 26 | FSTL1000-26 | Metal Ring |
| 27 | FSTL1000-27** | Security Chain |
| ***Components of Lens Kit FSTL1000-LENS* | | |

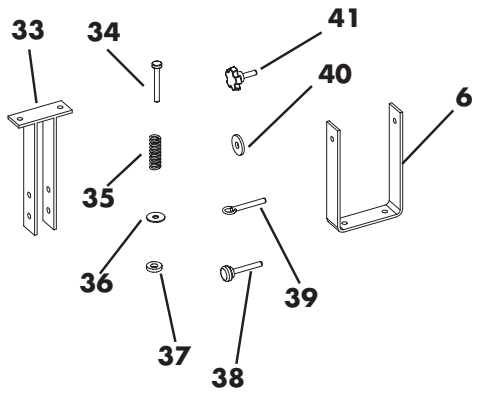
### B. Ballast Assembly

| Legend | Part Number | Description |
|---|---|---|
| 12 | FSTL1000-12 | Ballast Lid |
| 13 | FSTL1000-13 | Ballast Box |
| 28 | FSTL1000-28 | Rubber Supports |
| 29 | FSTL1000-29 | Washer |
| 30 | FSTL1000-30 | Feet |
| 31 | FSTL1000-31 | Switch |
| 32 | FSTL1000-32 | Fuse (not shown) |

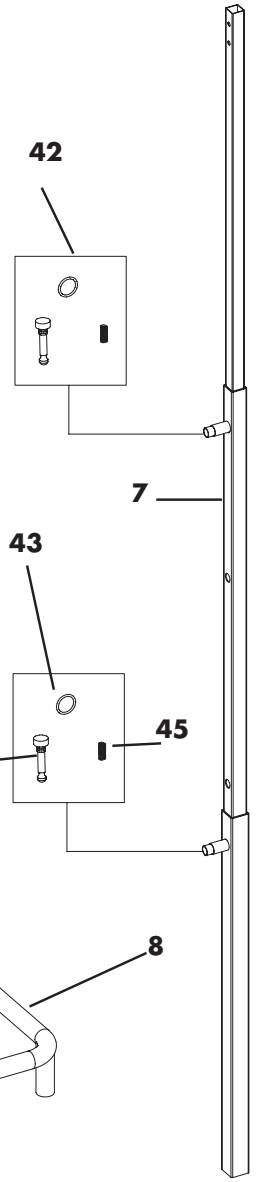


Key Components Overview cont'd

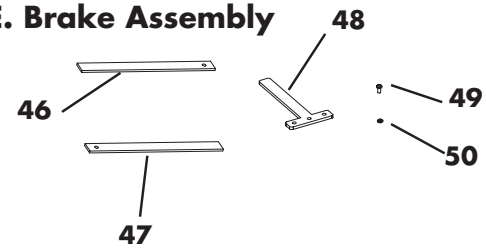
### C. U-Bracket Kit



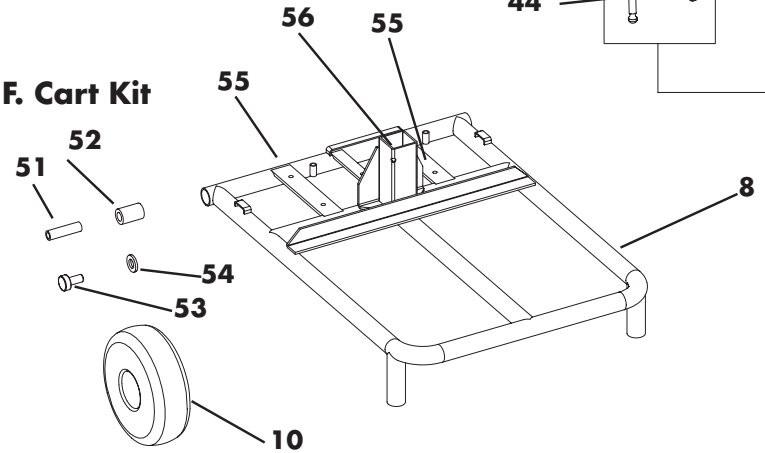

### D. Mast




### E. Brake Assembly




### F. Cart Kit



## Key Components Overview cont'd

### C. U-Bracket Kit (FSTL1000-BRACKET)

| Legend | Part Number | Description |
|---|---|---|
| 6 | FSTL1000-06 | U-Bracket |
| 33 | FSTL1000-33 | Bracket Mount |
| 34 | FSTL1000-34 | Bolt |
| 35 | FSTL1000-35 | Shock Absorber |
| 36 | FSTL1000-36 | Washer |
| 37 | FSTL1000-37 | Nut |
| 38 | FSTL1000-38 | Bracket Pin (available separately) |
| 39 | FSTL1000-39 | O-Pin (available separately) |
| 40 | FSTL1000-40 | Washer |
| 41 | FSTL1000-41 | Knob (available separately) |

### D. Mast Kit (FSTL1000-MAST)

| Legend | Part Number | Description |
|---|---|---|
| 7 | FSTL1000-07 | Mast |
| 41 | FSTL1000-APK | Adjustment Pin Kit (available separately) |
| ***Components of Adjustment Pin Kit FSTL1000-APK* | | |
| 42 | FSTL1000-42** | Screw Cap |
| 43 | FSTL1000-43** | Adjustment Pin |
| 44 | FSTL1000-44** | Spring |

### E. Brake Kit (FSTL1000-BRAKE)

| Legend | Part Number | Description |
|---|---|---|
| 46 | FSTL1000-46 | Right Brake Arm |
| 47 | FSTL1000-47 | Left Brake Arm |
| 48 | FSTL1000-48 | Brake Handle |
| 49 | FSTL1000-49 | Bolt |
| 50 | FSTL1000-50 | Nut |



## Key Components Overview cont'd

### F. Cart Kit (FSTL1000-CART)

| Legend | Part Number | Description |
|---|---|---|
| 8 | FSTL1000-08 | Cart |
| 10 | FSTL1000-10 | Wheel (available separately) |
| 51 | FSTL1000-51 | Outer Axle |
| 52 | FSTL1000-52 | Inner Axle |
| 53 | FSTL1000-53 | Axle Bolt |
| 54 | FSTL1000-54 | Washer |
| 55 | FSTL1000-55 | Ballast Support Beam |
| 56 | FSTL1000-56 | Mast Support |

Parts that are components of the following kits are not available separately unless otherwise stated:

| ***FSTL1000-LENS : Lens Kit*** | |
|---|---|
| **Part Number** | **Description** |
| FSTL1000-15 | Lens Frame |
| FSTL1000-16 | Lens |
| FSTL1000-17 | Silicone Rubber Seal |
| FSTL1000-18 | Security Cable |
| FSTL1000-27 | Security Chain |
| ***FSTL1000-BALLAST : Ballast Assembly*** | |
| FSTL1000-11 | Ballast (available separately) |
| FSTL1000-12 | Ballast Lid |
| FSTL1000-13 | Ballast Box |
| FSTL1000-28 | Rubber Supports |
| FSTL1000-29 | Washer |
| FSTL1000-30 | Feet |
| FSTL1000-31 | Switch (available separately) |
| FSTL1000-32 | Fuse (not shown) (available separately) |
| ***FSTL1000-BRACKET : U-Bracket Kit*** | |
| FSTL1000-06 | U-Bracket |
| FSTL1000-33 | Bracket Mount |
| FSTL1000-34 | Bolt |
| FSTL1000-35 | Shock Absorber |
| FSTL1000-36 | Washer |
| FSTL1000-37 | Nut |
| FSTL1000-38 | Bracket Pin (available separately) |
| FSTL1000-39 | O-Pin (available separately) |
| FSTL1000-40 | Washer |
| FSTL1000-41 | Knob (available separately) |

| ***FSTL1000-MAST : Mast Kit*** | |
|---|---|
| FSTL1000-07 | Mast |
| FSTL1000-APK | Adjustment Pin Kit (available separately) |
| ***FSTL1000-APK : Adjustment Pin Kit*** | |
| FSTL1000-43 | Screw Cap |
| FSTL1000-44 | Adjustment Pin |
| FSTL1000-45 | Spring |
| ***FSTL1000-BRAKE : Brake Kit*** | |
| FSTL1000-46 | Right Brake Arm |
| FSTL1000-47 | Left Brake Arm |
| FSTL1000-48 | Brake Handle |
| FSTL1000-49 | Bolt |
| FSTL1000-50 | Nut |
| ***FSTL1000-CART : Cart Kit*** | |
| FSTL1000-08 | Cart |
| FSTL1000-10 | Wheel (available separately) |
| FSTL1000-51 | Outer Axle |
| FSTL1000-52 | Inner Axle |
| FSTL1000-53 | Axle Bolt |
| FSTL1000-54 | Washer |
| FSTL1000-55 | Ballast Support Beam |
| FSTL1000-56 | Mast Support |

## Contents List

**Prior to setting up the FSTL1000 Tower Light, check that the following items are enclosed:**

| Item | Quantity | Check if enclosed |
|---|---|---|
| Ballast Assembly | 1 | ____Yes ____No |
| Cart Kit | 1 | ____Yes ____No |
| Lens Kit | 1 | ____Yes ____No |
| Reflecto | 1 | ____Yes ____No |
| Fixture | 1 | ____Yes ____No |
| 1000 W Metal Halide Lamp | 1 | ____Yes ____No |
| Mast Kit | 1 | ____Yes ____No |
| Metal Ring | 1 | ____Yes ____No |
| Rubber Ring | 1 | ____Yes ____No |
| Package of Bolts and Washers | 1 | ____Yes ____No |
| Uniquip Endura FSTL1000 Tower Light Operator's Manual | 1 | ____Yes ____No |

If any of these items are missing, please contact 1-800-332-4012 and ask for the Service Manager at Uniquip Canada Inc. at once.

**DO NOT ATTEMPT ASSEMBLY OR OPERATION WITHOUT ANY OF THESE LISTED PARTS!**

### Technical Support Hotline

Ontario, Western Canada, and USA
**T : 1-888-332-4012**
**F : 1-866-567-0956**

Quebec and Eastern Canada
**T : 1-800-332-4012**
**F : 1-866-825-2221**

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## Setting up the FSTL1000

1. Place Ballast Assembly on floor. Tilt it such that the base of the assembly faces the operator. Remove and put aside washers from metal feet and brake. Keep rubber supports on metal feet. (Figure 1)

**Figure 1.**

2. Flip cart over ballast box and line up ballast support bars to metal feet. Tighten ballast to cart with washers from metal feet and brake. (Figure 2)

**Figure 2.**

3. Turn cart and ballast back to its proper position. Undo mast lock on mast support. Insert mast into mast support and tighten mast lock to hold the mast in place. (Figure 3)

**Figure 3.**

4. Place rubber ring on fixture. Make sure that the ring is correctly aligned to markers on fixture. (Figure 4)

**Figure 4.**

5. Line up reflector to holes on rubber ring and the markers on the fixture. Place metal ring on top of the reflector, again making sure that its holes are lined up with the reflector and fixture. Check that the security chain hangs on the bottom of the reflector. Bolt down assembly to fixture with 4 bolts and washers. (Figure 5)

**Figure 5.**

6. Place reflector on flat surface with the fixture side up. Remove U-Bracket kit, 2 large knobs, 1 smaller knob, 2 O-pins and 2 washers from package. Line up U-Bracket to fixture such that the holes on each side of the bracket line up with holed on the sides of the fixture. Attach bracket to fixture with 2 large knobs and washers. (Figure 6)

**Figure 6.**

## Setting up the FSTL1000 cont'd

**Figure 7.**

7. Slide bracket and fixture onto mast. Insert 3 pins into holes to attach fixture to mast. (Figure 7)

8. Unpack Lens Kit and attach security chain on reflector to lens. Let lens hang from reflector and screw in 1000 W metal halide lamp into fixture. Clip lens onto fixture. (Figure 8)

**Figure 8.**

9. Unwind security cable and hook it onto lens clips. Secure cable with spring. (Figure 9)

**Figure 9.**

10. Move Tower Light to desired area with level surface. Set brake for extra stability.

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## Pre-Operation Procedures

Before using the Endura FSTL1000 Tower Light, please perform the following procedures for the personal and property safety of the operator and jobsite.

1. Before operating the light ensure that it is **structurally** and **mechanically** safe by checking the following:
   a. Inspect that all the sections of the Tower Light are properly installed as per the guidelines in the section "Setting up the FSTL1000".
      i. Is the mast securely bolted into the mast support?
      ii. Is the floor brake being used for further stability and to hold the light in position?
      iii. Are the wheels properly inflated?
      iv. Is the lens secured clipped and chained to the reflector?
      v. Is the cable worn, fouled or in any other conditions that would prevent the light from safe operation?

**CONTINUED USE OF FRAYED OR DAMAGED CABLE CAN RESULT IN PROPERTY DAMAGE AND/OR SEVERELY INJURING THE OPERATOR.**

2. Before using the light on proposed jobsite, perform the following **environmental** checks:
   a. Check that available electrical outlets conform to local codes.
   b. Run light only on GFCI protected circuits.
   c. If the proposed jobsite is on an incline, counterbalance light with weights to ensure stability.
   d. Keep the light **at least 16' feet away** from any pools or spas.
   e. Keep the lamp away from any flammable materials.

**If any of the above check fail, please DO NOT operate the light.**

## Operation Procedures

1. Plug cord into any 15 amps or greater 120 volt 60 Hz power source.

2. Turn tower light on. As the light bulb is being energized, there will be a slight humming noise issuing from the ballast.

3. Should there be any interruption in the power to the tower light, it will require approximately 20 minutes to re-power the light bulb. **Always switch light OFF before re-powering the unit.**

4. To adjust the fixture bracket and light head, pull pin, raise bracket to the vertical position and slide pin back in place.

5. When adjusting the light fixture, always make sure that the fixture is **COOL** before adjusting. Aim the fixture approximately 15° above desired level. Tighten knobs lightly to hold fixture in place, then pull fixture down to desired level. Completely tighten knobs to secure fixture.

6. To **raise** the telescopic mast, grasp upper-mast firmly and raise the post until the safety lock is engaged. To further extend the mast, repeat with second mast mast section.

7. To **lower** the telecopic mast, pull on safety lock while grasping raised mast with one hand and raising it slightly. **SLOWLY** lower mast. **DO NOT DROP MAST.**

***SAVE THESE INSTRUCTIONS!!***



## Notes

## Notes

Uniquip ENDURA®

## Technical Support Hotline

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